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PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Yoshinobu MAEDA

Group Art Unit: 2874

Application No.: 10/532,422

Examiner: S. PAK

Filed: July 22, 2005

Docket No.: 123563

For: OPTICAL SIGNAL AMPLIFYING TRIODE AND OPTICAL SIGNAL TRANSFER  
METHOD, OPTICAL SIGNAL RELAY DEVICE, AND OPTICAL SIGNAL STORAGE  
DEVICE USING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☒ 2. One or more reference cited herein was cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information. See References 1-5.
- ☒ 3. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

- ☒ 4. An English language Abstract of one or more non-English language reference is attached. See Reference 2.
- ☒ 5. The following three references, also cited in the European Search Report attached herewith, were submitted in a previous Information Disclosure Statement on April 20, 2007, and are therefore not attached:

1. US 5,264,960
2. Maeda et al., "All-Optical Triode Based on a Tandem Wavelength Converter Using Reflective Semiconductor Optical Amplifiers," IEEE Photonics Technology Letters, Vol. 15, No. 2, pp. 257-259, February 2003
3. JP-A-2001-264825

Respectfully submitted,

  
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Date: May 23, 2007

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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Sheet 1 of 1

Form PTO-1449 (REV. 1/06)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 123563		APPLICATION NO. 10/532,422	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT Yoshinobu MAEDA			
				FILING DATE July 22, 2005		GROUP 2874	
U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Name			
	1.	US 2002/0145776 A1	10/10/2002	Chow et al.			
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation	
	2.	WO 02/061502 A1	08/08/2002	WIPO	X		
OTHER DOCUMENTS							
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)					
	3.	Shieh et al., "A Wavelength-Routing Node Using Multifunctional Semiconductor Optical Amplifiers and Multiple-Pilot-Tone-Coded Subcarrier Control Headers," IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 9, No. 9, September 1997, pages 1268-1270					
	4.	Tanaka et al., "Optical Label Switching Using Optical Label Based on Wavelength and Pilot Tone Frequency," IEICE TRANS. COMMUN., Vol. E84-B, No. 5, May 2001, pages 1127-1134					
	5.	Xin-Liang et al., "A NOVEL SCHEME FOR XGM WAVELENGTH CONVERSION BASED ON SINGLE-PORT-COUPLED SOA," 2001 Chin. Phys. Soc. and IOP Publishing Ltd., Vol. 10, No. 2, February 2001, pages 124-127					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: May 23, 2007